

Title (en)

REPORTER NUCLEIC ACIDS FOR TYPE V CRISPR-MEDIATED DETECTION

Title (de)

REPORTERNUKLEINSÄUREN FÜR TYP-V-CRISPR-VERMITTELTE DETEKTION

Title (fr)

ACIDES NUCLÉIQUES RAPPORTEURS POUR UNE DÉTECTION MÉDIÉE PAR CRISPR DE TYPE V

Publication

EP 3844303 A4 20220601 (EN)

Application

EP 19854670 A 20190826

Priority

- US 201862723307 P 20180827
- US 2019048128 W 20190826

Abstract (en)

[origin: WO2020046809A1] The present disclosure provides labeled single stranded detector DNA molecules that provide a sensitive readout for detection of a target DNA. The present disclosure provides compositions, systems, and kits comprising a labeled single stranded detector DNA of the present disclosure. The present disclosure further provides methods of detecting a target DNA (double stranded or single stranded) in a sample.

IPC 8 full level

C12Q 1/6818 (2018.01); **C12Q 1/683** (2018.01); **G01N 21/64** (2006.01)

CPC (source: EP US)

C12N 9/22 (2013.01 - US); **C12N 15/11** (2013.01 - US); **C12Q 1/6816** (2013.01 - US); **C12Q 1/683** (2013.01 - EP); **C12Q 1/6876** (2013.01 - US); **C12N 2310/20** (2017.04 - US); **C12Q 1/6844** (2013.01 - US)

Citation (search report)

- [I] US 2016326576 A1 20161110 - COOK RONALD M [US], et al
- [A] WO 2016123243 A1 20160804 - UNIV CALIFORNIA [US]
- [XI] JONATHAN S. GOOTENBERG ET AL: "Multiplexed and portable nucleic acid detection platform with Cas13, Cas12a, and Csm6 - Supplementary Materials", SCIENCE, vol. 360, no. 6387, 27 April 2018 (2018-04-27), US, pages 439 - 444, XP055767621, ISSN: 0036-8075, DOI: 10.1126/science.aag0179
- See references of WO 2020046809A1

Designated contracting state (EPC)

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DOCDB simple family (application)

US 2019048128 W 20190826; EP 19854670 A 20190826; US 201917270215 A 20190826